

ABSTRACT

Method and apparatus for optimizing allocation of computer resources between server and service models. A server model is established in response to user input data.

- 5 The server model includes one or more server nodes, and each server node has an associated set of capacity attributes. In addition, a service model is established that includes one or more service nodes. Each service node has an associated set of demand attributes. In response to a user selection, one of a plurality of optimization methods and one of a plurality of optimization policies, as embodied in objective functions, are selected
- 10 for mapping the server nodes and service nodes. An optimized mapping is then generated of the server nodes in the server model to the service nodes in the service model using the selected optimization method, along with the demand and capacity attributes.